ABSTRACT OF THE DISCLOSURE

A planetary gear train comprising planetary gears (8) which are rotatably mounted on a planet carrier (18) and whose teeth engage with an internally toothed ring gear (14) and a sun gear (4). In order to be able to adjust the backlash of the planetary gears (8) in a simplified, process-safe, and inexpensive manner without axially displacing the sun gear (4), the ring gear (14) and the planetary gears (8) are embodied conically. The planetary gear shafts (16) are retained in the planet carrier (18) at an inclined angle (α); the planetary gears (8) are arranged so as to be axially movable on the planetary gear shafts (16) assigned thereto, and the position of the planetary gears (8) within the planetary gear train can be adjusted for adjusting the backlash with the aid of adjusting mechanisms.